

WHAT IS CLAIMED IS:

- 1        1.        A method for assigning priorities, comprising:  
2        receiving a request to manipulate data;  
3        determining a type of the request; and  
4        assigning a priority to the request based on the type of the request.
  
- 1        2.        The method of claim 1, wherein the request is issued with a synchronous  
2 Peer-to-Peer Remote Copy command and further comprising:  
3        assigning the request a high priority.
  
- 1        3.        The method of claim 1, wherein the request is issued with an asynchronous  
2 Peer-to-Peer Remote Copy command and further comprising:  
3        assigning the request a medium priority.
  
- 1        4.        The method of claim 1, wherein the request is issued with an Extended  
2 Distance Peer-to-Peer Remote Copy command and further comprising:  
3        assigning the request a low priority.
  
- 1        5.        The method of claim 1, wherein the request is issued with an establish with  
2 copy command and further comprising:  
3        assigning the request a low priority.
  
- 1        6.        The method of claim 1, wherein the request is issued with a synchronous  
2 Peer-to-Peer Remote Copy command and further comprising:  
3        receiving a host priority with the request; and  
4        mapping the host priority to a priority in a high priority range.

1           7.     The method of claim 1, further comprising:  
2           mapping the host priority based on at least one of pending requests and available  
3 resources.

1           8.     The method of claim 1, further comprising:  
2           updating a priority for a pending request.

1           9.     The method of claim 1, further comprising:  
2           sending a command to a secondary control unit, wherein the command includes the  
3 request and the assigned priority.

1           10.    The method of claim 9, further comprising:  
2           at the secondary control unit, using the priority assigned to the request to process  
3 the request.

1           11.    An article of manufacture including program logic for assigning priorities,  
2 wherein the program logic causes operations to be performed, the operations comprising:  
3           receiving a request to manipulate data;  
4           determining a type of the request; and  
5           assigning a priority to the request based on the type of the request.

1           12.    The article of manufacture of claim 11, wherein the request is issued with a  
2 synchronous Peer-to-Peer Remote Copy command and wherein the operations for  
3 assigning further comprise:  
4           assigning the request a high priority.

1           13.     The article of manufacture of claim 11, wherein the request is issued with  
2 an asynchronous Peer-to-Peer Remote Copy command and wherein the operations for  
3 assigning further comprise:  
4           assigning the request a medium priority.

1           14.     The article of manufacture of claim 11, wherein the request is issued with  
2 an Extended Distance Peer-to-Peer Remote Copy command and wherein the operations  
3 for assigning further comprise:  
4           assigning the request a medium priority.

1           15.     The article of manufacture of claim 11, wherein the request is issued with  
2 an establish with copy command and wherein the operations for assigning further  
3 comprise:  
4           assigning the request a low priority.

1           16.     The article of manufacture of claim 11, wherein the request is issued with a  
2 synchronous Peer-to-Peer Remote Copy command and wherein the operations further  
3 comprise:  
4           receiving a host priority with the request; and  
5           mapping the host priority to a priority in a high priority range.

1           17.     The article of manufacture of claim 11, wherein the operations further  
2 comprise:  
3           mapping the host priority based on at least one of pending requests and available  
4 resources.

1        18.    The article of manufacture of claim 11, wherein the operations further  
2 comprise:  
3        updating a priority for a pending request.

1        19.    The article of manufacture of claim 11, wherein the operations further  
2 comprise:  
3        sending a command to a secondary control unit, wherein the command includes the  
4 request and the assigned priority.

1        20.    The article of manufacture of claim 19, wherein the operations further  
2 comprise:  
3        at the secondary control unit, using the priority assigned to the request to process  
4 the request.

1        21.    A system for assigning priorities, comprising:  
2        means for receiving a request to manipulate data;  
3        means for determining a type of the request; and  
4        means for assigning a priority to the request based on the type of the request.

1        22.    The system of claim 21, wherein the request is issued with a synchronous  
2 Peer-to-Peer Remote Copy command and wherein the means for assigning further  
3 comprise:  
4        means for assigning the request a high priority.

1        23.    The system of claim 21, wherein the request is issued with an  
2 asynchronous Peer-to-Peer Remote Copy command and wherein the means for assigning  
3 further comprise:  
4        means for assigning the request a medium priority.

1           24.     The system of claim 21, wherein the request is issued with an Extended  
2 Distance Peer-to-Peer Remote Copy command and wherein the means for assigning  
3 further comprise:  
4           means for assigning the request a medium priority.

1           25.     The system of claim 21, wherein the request is issued with an establish  
2 with copy command and wherein the means for assigning further comprise:  
3           means for assigning the request a low priority.

1           26.     The system of claim 21, wherein the request is issued with a synchronous  
2 Peer-to-Peer Remote Copy command and further comprising:  
3           means for receiving a host priority with the request; and  
4           means for mapping the host priority to a priority in a high priority range.

1           27.     The system of claim 21, further comprising:  
2           means for mapping the host priority based on at least one of pending requests and  
3 available resources.

1           28.     The system of claim 21, further comprising:  
2           means for updating a priority for a pending request.

1           29.     The system of claim 21, further comprising:  
2           means for sending a command to a secondary control unit, wherein the command  
3 includes the request and the assigned priority.

- 1        30.    The system of claim 29, further comprising:
- 2        means for, at the secondary control unit, using the priority assigned to the request
- 3    to process the request.